

Form PTO-1449 (modified)	Atty. Docket No. NBD-48	Serial No. 09/981,603
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Dvorak et al.	
	Filing Date: 10/17/2001	Group: 2184

Page 1 of 7

### U.S. Patent Documents

Examiner Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A01	H536	10/04/88	Strickland et al.	324	456	
	A02	H538	11/01/88	Betzold	89	134	
	A03	30,678	07/14/81	Van Zeeland et al.	361	44	
	A04	2,808,566	10/01/57	T. Douma	324	127	
	A05	2,832,642	04/29/58	Lennox	299	14	
	A06	2,898,420	08/04/59	Kuze	200	87	
	A07	3,471,784	10/07/69	Arndt et al.	324	126	
	A08	3,538,241	11/03/70	Rein	174	143	
	A09	3,588,611	06/28/71	Lambden et al.	317	31	
	A10	3,600,502	08/17/71	Wagenaar et al.	174	143	
	A11	3,622,872	11/23/71	Boaz et al.	324	52	
	A12	3,660,721	5/72	Baird	361	55	
	A13	3,684,955	08/15/72	Adams	324	72	
	A14	3,716,757	2/73	Rodriguez	317	40	
	A15	3,746,930	07/17/73	Van Best et al.	317	31	
	A16	3,775,675	11/27/73	Freeze et al.	324	51	
	A17	3,812,337	05/21/74	Crosley	235	153 AC	
	A18	3,858,130	12/31/74	Misencik	335	18	
	A19	3,869,665	03/04/75	Kenmochi et al.	324	72	
	A20	3,878,460	04/15/75	Nimmersjo	324	52	
	A21	3,911,323	10/07/75	Wilson et al.	317	18	
	A22	3,914,667	10/21/75	Waldron	317	36	
	A23	3,932,790	01/13/76	Muchnick	317	18D	
	A24	3,939,410	02/17/76	Bitsch et al.	324	72	
	A25	4,052,751	10/04/77	Shepard	361	50	
	A26	4,074,193	02/14/78	Kohler	324	126	
	A27	4,081,852	03/28/78	Coley et al.	361	45	
	A28	4,087,744	05/02/78	Olsen	324	51	
	A29	4,156,846	05/29/79	Harrold et al.	324	158	

EXAMINER:	DATE CONSIDERED:
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. NBD-48	Serial No. 09/981,603
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Dvorak et al.	
	Filing Date: 10/17/2001	Group: 2184

Page 2 of 7

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A30	4,166,260	8/79	Gillette	335	20	
	A31	4,169,260	09/25/79	Bayer	340	562	
	A32	4,214,210	07/22/80	O'Shea	455	282	
	A33	4,233,640	11/11/80	Klein et al.	361	44	
	A34	4,245,187	01/13/81	Wagner et al.	324	54	
	A35	4,251,846	02/17/81	Pearson et al.	361	30	
	A36	4,264,856	05/28/81	Friedrich et al.	322	25	
	A37	4,316,187	02/16/82	Spencer	340	664	
	A38	4,344,100	8/82	Davidson et al.	361	45	
	A39	4,354,154	10/12/82	Olsen	324	51	
	A40	4,356,443	10/26/82	Emery	324	51	
	A41	4,378,525	3/83	Burdick	324	127	
	A42	4,387,336	06/07/83	Joy et al.	324	51	
	A43	4,459,576	07/10/84	Fox et al.	336	84	
	A44	4,466,071	08/14/84	Russell, Jr.	364	492	
	A45	4,477,855	10/84	Nakayama et al.	361	54	
	A46	4,587,588	5/86	Goldstein	361	54	
	A47	4,616,200	10/07/86	Fixemer et al.	335	35	
	A48	4,639,817	01/27/87	Cooper et al.	361	62	
	A49	4,642,733	02/10/87	Schacht			
	A50	4,644,439	02/17/87	Taarning	361	87	
	A51	4,652,867	03/24/87	Oscar Masot	340	638	
	A52	4,658,322	04/14/87	Rivera	361	37	
	A53	4,697,218	09/29/87	Nicolas	633	882	
	A54	4,702,002	10/27/87	Morris et al.	29	837	
	A55	4,707,759	11/17/87	Bodkin	831	642	
	A56	4,771,355	09/13/88	Emery et al.	361	33	
	A57	4,810,954	03/07/89	Fam	324	142	
	A58	4,816,958	3/89	Belbel et al.	361	93	

EXAMINER:	DATE CONSIDERED:
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. NBD-48	Serial No. 09/981,603
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Dvorak et al.	
	Filing Date: 10/17/2001	Group: 2184

Page 3 of 7

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A59	4,833,564	05/23/89	Pardue et al.	361	93	
	A60	4,835,648	05/30/89	Yamauchi	361	14	
	A61	4,839,600	6/89	Kuurstra	324	127	
	A62	4,845,580	07/04/89	Kitchens	361	91	
	A63	4,847,719	7/89	Cook et al	361	13	
	A64	4,853,818	08/01/89	Emery et al.	361	33	
	A65	4,858,054	08/15/89	Franklin	361	57	
	A66	4,866,560	09/12/89	Allina	361	104	
	A67	4,882,682	11/21/89	Takasuka et al.	364	507	
	A68	4,893,102	01/09/90	Bauer	335	132	
	A69	4,901,183	02/13/90	Lee	361	56	
	A70	4,922,368	05/01/90	Johns	361	62	
	A71	4,931,894	06/05/90	Legatti	361	45	
	A72	4,939,495	07/03/90	Peterson et al.	337	79	
	A73	4,949,214	08/14/90	Spencer	361	95	
	A74	4,969,063	11/06/90	Scott et al.	361	93	
	A75	5,010,438	04/23/91	Brady	361	56	
	A76	5,047,724	09/10/91	Boksiner et al.	324	520	
	A77	5,051,731	09/24/91	Guim et al.	340	638	
	A78	5,121,282	06/09/92	White	361	42	
	A79	5,166,861	11/24/92	Krom	361	379	
	A80	5,168,261	12/01/92	Weeks			
	A81	5,179,491	01/12/93	Runyan	361	45	
	A82	5,185,684	02/09/93	Beihoff et al.	361	45	
	A83	5,185,685	02/09/93	Tennies et al.	361	45	
	A84	5,185,686	02/09/93	Hansen et al.	361	45	
	A85	5,185,687	02/09/93	Beihoff et al.	361	45	
	A86	5,206,596	04/27/93	Beihoff et al.	324	536	
	A87	5,208,542	05/04/93	Tennies et al.	324	544	

EXAMINER:	DATE CONSIDERED:
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. NBD-48	Serial No. 09/981,603
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Dvorak et al.	
	Filing Date: 10/17/2001	Group: 2184

Page 4 of 7

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A88	5,223,795	06/29/93	Bladés	324	536	
	A89	5,224,006	06/29/93	MacKenzie et al.	361	45	
	A90	5,257,157	10/26/93	Epstein	361	111	
	A91	5,280,404	01/18/94	Ragsdale	361	113	
	A92	5,286,933	02/15/94	Pham			
	A93	5,307,230	04/26/94	MacKenzie	361	96	
	A94	5,334,939	08/02/94	Yarbrough			
	A95	5,353,014	10/04/94	Carroll et al.	340	638	
	A96	5,359,293	10/25/94	Boksiner et al.	324	544	
	A97	5,363,269	11/08/94	McDonald			
	A98	5,373,241	12/94	Ham, Jr. et al.	324	536	
	A99	5,383,084	01/17/95	Gershen et al.	361	113	
	A100	5,388,021	02/07/95	Stahl	361	56	
	A101	5,396,179	03/07/95	Domenichini et al.	324	546	
	A102	5,412,526	05/02/95	Kapp et al.	361	56	
	A103	5,414,590	05/09/95	Tajali	361	669	
	A104	5,420,740	05/30/95	MacKenzie et al.	361	45	
	A105	5,424,894	06/13/95	Briscall et al.	361	45	
	A106	5,434,509	07/18/95	Blades	324	536	
	A107	5,444,424	08/22/95	Wong et al.	335	172	
	A108	5,446,431	08/29/95	Leach et al.	335	18	
	A109	5,448,443	09/05/95	Muelleman	361	111	
	A110	5,452,223	09/19/95	Zuercher et al.	364	483	
	A111	5,459,630	10/17/95	MacKenzie et al.	361	45	
	A112	5,473,494	12/95	Kurosawa et al.	361	3	
	A113	5,477,150	12/19/95	Ham, Jr. et al.	324	536	
	A114	5,481,235	01/02/96	Heise et al.	335	18	
	A115	5,483,211	01/09/96	Carroodus et al.	335	18	
	A116	5,485,093	01/16/96	Russell et al.	324	522	

EXAMINER:	DATE CONSIDERED:
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. NBD-48	Serial No. 09/981,603
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Dvorak et al.	
	Filing Date: 10/17/2001	Group: 2184

Page 5 of 7

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A117	5,493,278	02/20/96	MacKenzie et al.	340	638	
	A118	5,506,789	04/09/96	Russell et al.	364	492	
	A119	5,510,946	04/23/96	Franklin			
	A120	5,512,832	04/30/96	Russell et al.	324	522	
	A121	5,519,561	05/21/96	Mrenna et al.	361	105	
	A122	5,531,617	07/02/96	Marks	439	723	
	A123	5,546,266	08/13/96	Mackenzie et al.	361	93	
	A124	5,561,605	10/01/96	Zuercher et al.	364	483	
	A125	5,568,371	10/22/96	Pitel et al.	363	39	
	A126	5,578,931	11/26/96	Russell et al.	324	536	
	A127	5,590,010	12/96	Ceola et al.	361	93	
	A128	5,590,012	12/31/96	Charles Dollar	361	113	
	A129	5,602,709	02/11/97	Al-Dabbagh	361	85	
	A130	5,608,328	03/04/97	Sanderson	324	529	
	A131	5,617,019	4/97	Etter	324	117	
	A132	5,638,244	6/97	Mekanik et al.	361	62	
	A133	5,657,244	08/12/97	Seitz	364	492	
	A134	5,659,453	08/19/97	Russell et al.	361	93	
	A135	5,682,101	10/28/97	Brooks et al.	324	536	
	A136	5,691,869	11/25/97	Engel et al.			
	A137	5,701,110	12/23/97	Scheel et al.	335	132	
	A138	5,706,154	01/06/98	Seymour	361	42	
	A139	5,726,577	03/10/98	Engel et al.	324	536	
	A140	5,729,145	03/17/98	Blades	324	536	
	A141	5,764,125	6/98	May	336	92	
	A142	5,805,397	09/08/98	MacKenzie	361	42	
	A143	5,805,398	09/08/98	Rac	361	42	
	A144	5,815,352	09/29/98	Mackenzie	361	42	
	A145	5,818,237	10/06/98	Zuercher et al.	324	536	

RECEIVED  
FEB 08 2002  
Technology Center 2100

RECEIVED  
FEB 12 2002  
Technology Center 2000

EXAMINER:	DATE CONSIDERED:
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. NBD-48	Serial No. 09/981,603
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Dvorak et al.	
	Filing Date: 10/17/2001	Group: 2184

Page 6 of 7

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A146	5,818,671	10/06/98	Seymour et al.	361	42	
	A147	5,825,598	10/98	Dickens et al	361	42	
	A148	5,834,940	11/98	Brooks et al	324	424	
	A149	5,835,319	11/10/98	Welles, II et al.	361	5	
	A150	5,835,321	11/10/98	Elms et al.	361	45	
	A151	5,839,092	11/98	Erger et al	702	58	
	A152	5,847,913	12/98	Turner et al	361	93	
	A153	5,886,861	3/99	Parry	361	42	
	A154	5,889,643	3/99	Elms	361	42	
	A155	5,896,262	4/99	Rae et al.	361	94	
	A156	5,905,619	5/18/99	Jha	361	93	
	A157	5,933,308	8/99	Garzon	361	62	
	A158	5,946,179	8/99	Fleege et al	361	93	
	A159	6,246,556 B1	06/12/2001	Haun et al.	361	42	

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B01	EP 0094 871A1	05/09/83	European			
	B02	EP 0615327A2	09/14/94	Europe	H02H	1/00	
	B03	EP 0649207A1	04/19/95	Europe			
	B04	EP 0748021A1	12/11/96	European			
	B05	EP 0762591A2	03/12/97	Europe			
	B06	EP 0802602A2	10/22/97	Europe			
	B07	EP 0813281A2	12/17/97	Europe			

EXAMINER:	DATE CONSIDERED:
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

<b>Form PTO-1449 (modified)</b>  <b>List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT</b>  Page 7 of 7	<b>Atty. Docket No.</b> NBD-48	<b>Serial No.</b> 09/981,603
	<b>Applicant</b> Dvorak et al.	
	<b>Filing Date:</b> 10/17/2001	<b>Group:</b> 2184

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B08	GB 2177561A	06/30/85	U.K			
	B09	GB 2285886A	07/26/95	U.K			
	B10	0158365 JP		Japan			
	B11	WO 97/30501	08/21/97	International (PCT)			

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C01	Antonio N. Paolantonio, P.E., Directional Couplers, R.F. Design, September/October, 1979, pp. 40-49.
	C02	Alejandro Duenas, J., Directional Coupler Design Graphs For Parallel Coupled Lines and Interdigitated 3 dB Couplers, RF Design, February, 1986, pp. 62-64.
	C03	RV4145 Low Power Ground Fault Interrupter, Preliminary Product Specifications of Integrated Circuits, Raytheon Company Semiconductor Division, 350 Ellis Street, Mountain View CA 94309-7016, pp. 1-8.
	C04	Jean-Francois Joubert, Feasibility of Main Service Ground-Fault Protection On The Electrical Service To Dwelling Units, Consultants Electro-Protection Ins., 1980, Michelin St., Laval, Quebec H7L 9Z7. October 26, 1990, pp. 1-77.
	C05	B.D. Russell, Detection Of Arcing Faults On Distribution Feeders, Texas A & M Research Foundation, Box H. College Station, Texas 77843, Final Report December, 1982, pp. 1-B18.

<b>EXAMINER:</b>	<b>DATE CONSIDERED:</b>
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)